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MONTHLY LIST OF PUBLICATIONS

JANUARY, 1932

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Any five of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. As many as five additional publications may be sent free if the applicant gives sufficient proof that they are urgently needed. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

✉ Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Strawberry culture: South Atlantic and Gulf Coast region. George M. Darrow, Bureau of Plant Industry. 40 p., illus. (Farmers' Bulletin 1026 F., rev.) Price, 5¢.

Production of late or main-crop potatoes. William Stuart, Bureau of Plant Industry. 34 p., illus. (Farmers' Bulletin 1064 F., rev.) Price, 10¢.

How to grow an acre of potatoes. [Prepared especially for use in boys' and girls' club work.] William Stuart, Bureau of Plant Industry. 22 p., illus. (Farmers' Bulletin 1190 F., rev.) Price, 5¢.

Potato production in the South. William Stuart, Bureau of Plant Industry. 34 p., illus. (Farmers' Bulletin 1205 F., rev.) Price, 5¢.

Diseases, ailments, and abnormal conditions of swine. T. P. White, Bureau of Animal Industry. 28 p., illus. (Farmers' Bulletin 1244 F., rev.) Price, 5¢.

Karakul sheep. C. G. Potts, Bureau of Animal Industry. 10 p., illus. (Farmers' Bulletin 1632 F., rev.) Price, 5¢.

Measuring water in irrigation channels. R. L. Parshall, Bureau of Agricultural Engineering. 18 p., illus. (Farmers' Bulletin 1683 F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Home mixing of fertilizers. C. C. Fletcher, Bureau of Chemistry and Soils. 8 p., illus. (Leaflet 70 L., rev.) Price, 5¢.

Controlling small gullies by bluegrass sod. R. E. Uhland, Bureau of Chemistry and Soils. 4 p., illus. (Leaflet 82 L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Boron in irrigation waters. Carl S. Scofield and L. V. Wilcox, Bureau of Plant Industry. 66 p., illus. (Technical Bulletin 264 T.) Price, 20¢.

Morphologic and physiologic studies on stem-rust resistance in cereals. Helen Hart, Bureau of Plant Industry. In cooperation with the Minnesota Agricultural Experiment Station. 76 p., illus. (Technical Bulletin 266 T.) Price, 15¢.

Effect of various temperatures on the storage and ripening of tomatoes. R. C. Wright, W. T. Pentzer, T. M. Whiteman, and D. H. Rose, Bureau of Plant Industry. 35 p., illus. (Technical Bulletin 268 T.) Price, 15¢.

Hot water as an insecticide for the Japanese beetle in soil and its effect on the roots of nursery plants. Walter E. Fleming and Francis E. Baker, Bureau of Entomology. 42 p., illus. (Technical Bulletin 274 T.) Price, 15¢.

The fractionation of American gum spirits of turpentine and evaluation of its pinene content by optical means. S. Palkin, Bureau of Chemistry and Soils. 14 p., illus. (Technical Bulletin 276 T.) Price, 5¢.

The shedding of 4-lock and 5-lock bolls in upland cotton. R. E. Beckett and J. W. Hubbard, Bureau of Plant Industry. 16 p., illus. (Technical Bulletin 277 T.) Price, 5¢.

Effect of plant arrangement, equipment, and methods of operation in relation to breakage of bottles in milk plants. C. E. Clement, J. B. Bain, and Fred M. Grant, Bureau of Dairy Industry. 29 p., illus. (Technical Bulletin 280 T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

United States Food and Drug Administration methods of testing antiseptics and disinfectants. G. L. A. Ruehle and C. M. Brewer, Food and Drug Administration. 20 p., illus. (Circular 198 C.) Price, 10¢.

Future trading and the cash-grain markets. G. Wright Hoffman, Grain Futures Administration. 56 p., illus. (Circular 201 C.) Price, 15¢.

MISCELLANEOUS CIRCULARS

These circulars include those publications of a miscellaneous nature which do not fall within any of the other series issued by the department. The series closed with No. 110 and is replaced by the Miscellaneous Publications series.

Let's know some more trees. Brief descriptions of California trees. Charles H. Shinn, Forest Service. 38 p., illus. (Miscellaneous Circular 31 MC., rev.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Editorial policy regarding the Journal of Agricultural Research. 8 p. (Miscellaneous Publication 3 MP., rev.) Price, 5¢.

List of bulletins of the agricultural experiment stations for the calendar years 1929 and 1930. Catherine E. Pennington, Office of Experiment Stations. 88 p. (Miscellaneous Publication 128 MP.) Price, 15¢.

Rice and its by-products for feeding livestock. E. W. Sheets and A. T. Semple, Bureau of Animal Industry. 9 p., illus. (Miscellaneous Publication 132 MP.) Price, 5¢.

The principal laws relating to the establishment and administration of the national forests and to other Forest Service activities. Prepared by the Forest Service. 31 p. (Miscellaneous Publication 135 MP.) Price, 5¢.

Some facts about the cotton outlook for 1932. 8 p., illus. (Miscellaneous Publication 139 MP.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Colorado, The Fort Collins area. (No. 27, Series 1927.) Price, 20¢.

Indiana, Miami County. (No. 24, Series 1927.) Price, 15¢.

Kansas, Doniphan County. (No. 25, Series 1927.) Price, 15¢.

Maryland, Harford County. (No. 26, Series 1927.) Price, 15¢.

Michigan, Crawford County. (No. 29, Series 1927.) Price, 20¢.

Michigan, Kalkaska County. (No. 28, Series 1927.) Price, 20¢.

Nebraska, Saline County. (No. 12, Series 1928.) Price, 10¢.

New Mexico, The Socorro and Rio Puerco areas. (No. 2, Series 1929.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for November, 1931. pp. 107-117. (S. R. A.-B. A. I. 295.) Price, 5¢.

— December, 1931. pp. 119-126. (S. R. A.-B. A. I. 296.) Price, 5¢.

- Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 189-233. (N. J., F. D. 18301-18350.) Price, 5¢.
- Notices of judgment under the insecticide act. Food and Drug Administration. pp. 105-108. (N. J., I. F. 1211-1215.) Price, 5¢.
- Japanese-beetle quarantine No. 48. Revision of regulations. Plant Quarantine and Control Administration. 12 p. (P. Q. C. A.-Q. 48, rev. Effective January 1, 1932.) Price, 5¢.
- Satin moth quarantine No. 53. Revision of regulations. Plant Quarantine and Control Administration. 7 p., illus. (P. Q. C. A.-Q. 53, rev. Effective December 1, 1931.) Price, 5¢.
- Service and regulatory announcements. Plant Quarantine and Control Administration. July-September, 1931. pp. 91-135. (S. R. A.-P. Q. C. A. No. 108.) Price, 5¢.

OTHER PUBLICATIONS

- Physicochemical properties of edible-canna and potato starches. J. C. Ripperton. 48 p., illus. (Hawaii Bul. 63.) Price, 10¢.
- Report of the Alaska agricultural experiment stations, 1930. 48 p., illus. Price, 15¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase of subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 16, No. 1, January 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

- Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, upper Michigan, lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

- Climatological data. Vol. 18, No. 8, August, 1931.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

- Crops and markets. Vol. 8, No. 12, December, 1931; Vol. 9, No. 1, January, 1932.

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

- Experiment station record. Vol. 66, No. 1, January, 1932. Single numbers for sale only. Price 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

- Extension service review. Vol. 3, No. 1, January, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

— Vol. 43, No. 10. November 15, 1931. Illus.

CONTENTS:

Two blue-staining fungi associated with bark-beetle infestation of pines. Key No. G-786. Caroline T. Rumbold.

Root development as related to character of growth and fruitfulness of the cotton plant. Key No. G-789. Frank M. Eaton.

Crown rot of Juglans in California. Key No. Calif.-58. Clayton O. Smith and James T. Barrett.

The soil versus the solution method as a means of studying bacterial activities in soil. Key No. Utah-28. J. E. Greaves and H. C. Pulley.

Changes in the chemical composition of mangels and rutabagas during storage. Key No. W. Va.-8. K. S. Morrow, R. B. Dustman, and H. O. Henderson.

— Vol. 43, No. 11. December 1, 1931. Illus.

CONTENTS:

Hardiness studies with 2-year-old alfalfa plants. Key No. Nebr.-14. George L. Peltier and H. M. Tysdal.

The determination of sample size for diameter measurements in cotton fiber studies. Key No. Ark.-17. O. A. Pope.

Pathogenesis in the woolly-knot type of crown gall. Key No. G-792. E. A. Siegler and R. B. Piper.

The fasting metabolism of cattle as a base value of heat production in the determination of net energy of feeding stuffs. Key No. Pa.-36. E. B. Forbes, Winfred W. Brannan, Max Kriss, R. W. Swift, R. C. Miller, R. B. French, T. V. Letonoff, and G. R. Sharpless.

The metabolizable energy and net energy values of corn meal when fed exclusively and in combination with alfalfa hay. Key No. Pa.-36. E. B. Forbes, Winfred W. Brannan, Max Kriss, R. W. Swift, R. C. Miller, R. B. French, T. V. Letonoff, and G. R. Sharpless.

Monthly weather review. Vol. 59, No. 9, September; No. 10, October, 1931. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 12, No. 11, January, 1932. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Snow and ice bulletin. Nos. 4-7, January 6, 13, 20, 27, 1932. 50¢ a year. Free distribution limited to cooperators with the Weather Bureau.

Issued on Tuesdays during the winter. Based on data from regular Weather Bureau and cooperative stations. As far as practicable all reports of snow and ice are given.

The official record. Vol. 11, Nos. 1-4, January 2, 9, 16, 23, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 1-4, January 5, 12, 19, 26, 1932. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers, bulletins desired. In order to assure prompt delivery, **detach this frank** and return in stamped envelope to U. S. Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications.


Farmers' Bulletins	Leaflets	Technical Bulletins	Circulars	Miscellaneous Publications	Other publications

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS


FEBRUARY, 1932

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GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Grape propagation, pruning, and training. George C. Husmann, Bureau of Plant Industry. 25 p., illus. (Farmers' Bulletin 471F., rev.) Price, 5¢.

Cattle-fever ticks and methods of eradication. W. P. Ellenberger and Robert M. Chapin, Bureau of Animal Industry. 28 p., illus. (Farmers' Bulletin 1057F., rev.) Price, 5¢

Parasites and parasitic diseases of sheep. Maurice C. Hall, Bureau of Animal Industry. 46 p., illus. (Farmers' Bulletin 1330F., rev.) Price, 10¢.

Dairy cattle breeds. Amer B. Nystrom, Bureau of Dairy Industry. 30 p., illus. (Farmers' Bulletin 1443F., rev.) Price, 5¢.

Barley. Culture, uses, and varieties. Harry V. Harlan, Bureau of Plant Industry. 33 p., illus. (Farmers' Bulletin 1464 F., rev.) Price, 5¢.

✓ Feeding chickens. M. A. Jull and A. R. Lee, Bureau of Animal Industry. 22 p., illus. (Farmers' Bulletin 1541F., rev.) Price, 5¢.

✓ Common errors in cotton production. O. F. Cook, Bureau of Plant Industry. 26 p., illus. (Farmers' Bulletin 1686F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Beef grading and stamping service. W. C. Davis, Bureau of Agricultural Economics. 8 p., illus. (Leaflet 67L., rev.) Price, 5¢.

More turpentine, less scar, better pine. Eloise Gerry, Forest Service. 4 p., illus. (Leaflet 83L.) Price, 5¢.

Planting black walnut. W. R. Mattoon, Forest Service, and C. A. Reed, Bureau of Plant Industry. 8 p., illus. (Leaflet 84L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Results of seed-treatment experiments with yellow dent corn. James R. Holbert, Bureau of Plant Industry, and Benjamin Keohler, Illinois Agricultural Experiment Station. 64 p., illus. (Technical Bulletin 260T.) Price, 20¢.

Evaporation from free water surfaces. Carl Rohwer, Bureau of Agricultural Engineering. In cooperation with the Colorado Agricultural Experiment Station. 96 p., illus. (Technical Bulletin 271T.) Price, 25¢.

Correlation of heredity and other factors affecting growth in guinea pigs. Orson N. Eaton, Bureau of Animal Industry. 36 p., illus. (Technical Bulletin 279T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

New citrus hybrids. Walter T. Swingle, T. Ralph Robinson, and E. M. Savage, Bureau of Plant Industry. 20 p., illus. (Circular 181C.) Price, 20¢.

Irrigated crop rotations in western South Dakota. Stephen H. Hastings and Beyer Aune, Bureau of Plant Industry. 47 p., illus. (Circular 188C.) Price, 10¢.

Cream-standardization tables. O. E. Williams, Bureau of Dairy Industry. 14 p. (Circular 199C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Directory of field activities of the Bureau of Plant Industry. 120 p. (Miscellaneous Publication 129MP.) Price, 20¢.

Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md. 1930 report. T. E. Woodward, J. B. Shepherd, and R. R. Graves, Bureau of Dairy Industry. 24 p., illus. (Miscellaneous Publication 130MP.) Price, 5¢.

Conservation of fertilizer materials from minor sources. C. C. Fletcher, Bureau of Chemistry and Soils. 7 p., illus. (Miscellaneous Publication 136MP.) Price, 5¢.

✓ Protein tests for wheat and oil tests for flaxseed and soybeans: Importance in production and marketing. Prepared in the Bureau of Agricultural Economics. 45 p., illus. (Miscellaneous Publication 140MP.) Price, 10¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Stumpage and log prices for the calendar year 1930. Compiled by Henry B. Steer, Forest Service. 59 p., illus. (Statistical Bulletin 37S.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Index to Service and Regulatory Announcements, January–December, 1931. Bureau of Animal Industry. pp. 127–129. Price, 5¢.

Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 235–270. (N. J., F. D. 18351–18400.) Price, 5¢.

Phony peach-disease quarantine No. 67. Revision of quarantine and regulations. Plant Quarantine and Control Administration. 7 p. (P. Q. C. A.—Q. 67, rev. Effective November 30, 1931.) Price, 5¢.

Service and Regulatory Announcements, 1930. Plant Quarantine and Control Administration. vi p. Price, 5¢.

OTHER PUBLICATIONS

Report of the Chief of the Bureau of Public Roads. Thomas H. MacDonald. 88 p. Price, 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, Nos. 1-2, January and February, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 18, No. 9, September, 1931.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Daily weather maps. Limited edition. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 66, No. 2, February, 1932. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 3, No. 2, February, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administration information.

Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

— Vol. 43, No. 12. December 15, 1931. Illus.

CONTENTS:

Plant succession and grazing capacity on clay soils in southern New Mexico. Key No. F-57. R. S. Campbell.

Control of gastrointestinal parasites of sheep by weekly treatments with various anthelmintics. Key No. A-150. Willard H. Wright and John Bozicevich.

An apparatus for growing plants under controlled environmental conditions. Key No. G-793. Robert A. Steinberg.

Inheritance of resistance in oats to *Ustilago levis*. Key No. G-797. F. A. Coffman, T. R. Stanton, B. B. Bayles, G. A. Wiebe, R. W. Smith, and V. F. Tapke.

The antiscorbutic vitamin in home-canned carrots. Key No. N. Y. (Cornell)-16. Adelaide Spohn and Amy Hunter.

The antiscorbutic vitamin in the juice of home-canned tomatoes. Key No. N. Y. (Cornell)-17. Adelaide Spohn.

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Journal of agricultural research. Vol. 44, No. 1, illus. January 1, 1932.

CONTENTS:

- A study of the physiologic forms of kernel smut (*Sphacelotheca sorghi*) of sorghum. Key No. G-791. L. E. Melchers, C. H. Ficke, and C. O. Johnston.
 Dehiscence of the boll of *linum rigidum* and related species. Key No. G-795. A. C. Dillman and J. C. Brinsmade, jr.
 Inheritance of height in broomcorn. Key No. G-794. John B. Sieglinger.
 Effect of temperature on rate of decay of sugar beets by strains of *Phoma betae*. Key No. G-798. C. M. Tompkins and Dean A. Pack.
 Root constriction of cotton plants in the San Joaquin Valley of California. Key No. G-799. J. W. Hubbard.
 Heterothallism and hybridization in *Tilletia tritici* and *T. levis*. Key No. G-800. H. H. Flor.
 The vitamin A, B, C, and G content of Sultanina (Thompson seedless) and Malaga grapes and two brands of commercial grape juice. Key No. T-4. Esther Peterson Daniel, and Hazel E. Munsell.
 Factors influencing the changes in oxidation-reduction potential on the reduction of methylene blue in milk. Key No. Kans.-64. A. C. Fay and Glenn A. Aikins.
 Effect of light on the reduction of methylene blue in milk. Key No. Kans.-65. Glenn A. Aikins and A. C. Fay.

Monthly weather review. Vol. 59, No. 11, November, 1931. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Snow and Ice Bulletin. Nos. 8-11, February 3, 10, 17, 24, 1932. 1 p., map. 50¢ a year. Free distribution limited to cooperators with the Weather Bureau.

Issued on Tuesdays during the winter. Based on data from regular Weather Bureau and selected cooperative stations. As far as practicable all reports of snow and ice are given.

The official record. Vol. 11, Nos. 5-8, January 30, February 6, 13, 20, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weather outlook. Limited edition. Not for general distribution.

Prepared at and distributed from the following forecast centers of the Weather Bureau: Washington, D. C., New Orleans, La., Chicago, Ill., Denver, Colo., and San Francisco, Calif.

Weekly weather and crop bulletin. Not for general distribution.

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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United States Department of Agriculture - 1932 ★
MONTHLY LIST OF PUBLICATIONS

MARCH, 1932

Send no remittances to the United States Department of Agriculture

Any five of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. As many as five additional publications may be sent free if the applicant gives sufficient proof that they are urgently needed. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Growing and planting hardwood seedlings on the farm. C. R. Tillotson, Forest Service. 28 p. illus. (Farmers' Bulletin 1123F., rev.) Price, 5¢.

Pork on the farm: Killing, curing, and canning. K. F. Warner, Bureau of Animal Industry. 34 p., illus. (Farmers' Bulletin 1186 F., rev.) Price, 10¢.

Farm dairy houses. Ernest Kelly and K. E. Parks. Revised by R. P. Hotis, Bureau of Dairy Industry. 13 p., illus. (Farmers' Bulletin 1214F., rev.) Price, 5¢.

Gullies: How to control and reclaim them. C. E. Ramser, Bureau of Agricultural Engineering. 36 p., illus. (Farmers' Bulletin 1234F., rev.) Price, 10¢.

Preparation of cabbage for market. Charles W. Hauck, Bureau of Agricultural Economics. 14 p., illus. (Farmers' Bulletin 1423F., rev.) Price, 5¢.

Home baking. Charlotte Chatfield, Bureau of Home Economics. 14 p. (Farmers' Bulletin 1450, rev.) Price, 5¢.

Control of sugar-beet nematode by crop rotation. Gerald Thorne, Bureau of Plant Industry. 21 p., illus. (Farmers' Bulletin 1514F., rev.) Price, 5¢.

Tick fever. John R. Mohler, Bureau of Animal Industry. 30 p., illus. (Farmers' Bulletin 1625F., rev.) Price, 5¢.

Diseases and parasites of poultry. John S. Buckley, Hubert Bunyea, and Eloise Cram, Bureau of Animal Industry. 62 p., illus. (Farmers' Bulletin 1652F., rev.) Price, 10¢.

Adjusting Corn Belt farming to meet corn-borer conditions. Kenneth H. Myers, Bureau of Agricultural Economics. 26 p., illus. (Farmers' Bulletin 1681F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Poisoning of livestock by plants that produce hydrocyanic acid. James F. Couch, Bureau of Animal Industry. 4 p. (Leaflet 88L.) Price, 5¢.

Controlling stomach worms in sheep and lambs. E. M. Nighbert, Bureau of Animal Industry. 6 p., illus. (Leaflet 89L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

The biology and control of the blueberry maggot in Washington County, Me. F. H. Lathrop and C. B. Nicke's, Bureau of Entomology. 77 p., illus. (Technical Bulletin 275T.) Price, 25¢.

Correlation of heredity and other factors affecting growth in guinea pigs. Orson N. Eaton, Bureau of Animal Industry. 36 p., illus. (Technical Bulletin 279T.) Price, 10¢.

Farm-mortgage credit. David L. Wickens, Bureau of Agricultural Economics. 102 p., illus. (Technical Bulletin 288T.) Price, 20¢.

Repellency to the Japanese beetle of extracts made from plants immune to attack. F. W. Metzger and D. H. Grant, Bureau of Entomology. 22 p., illus. (Technical Bulletin 299T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same nature as that in the Technical Bulletin series.

Irrigation and related cultural practices with cotton in the Salt River Valley of Arizona. Stephen H. Hastings, Bureau of Plant Industry. 32 p., illus. (Circular 200C.) Price, 10¢.

Agronomic work of the Big Spring, Tex., Field Station—1915-1929. F. E. Keating, Bureau of Plant Industry. 32 p., illus. (Circular 202C.) 5¢.

The iron content of vegetables and fruits. Hazel K. Stiebeling, Bureau of Home Economics. 20 p. (Circular 205C.) Price, 5¢.

Agricultural investigations at the United States Field Station, Sacaton, Ariz., 1925-1930. C. J. King and H. F. Loomis, Bureau of Plant Industry. 64 p., illus. (Circular 206C.) Price, 10¢.

Market classes and grades of yearling beef. W. C. Davis, Bureau of Agricultural Economics. 27 p., illus. (Circular 208C.) Price, 20¢.

Field tests of imported red-clover seed. A. J. Pieters and R. L. Morgan, Bureau of Plant Industry. 24 p., illus. (Circular 210C.) Price, 5¢.

Verticillium wilt (Hadromycosis) of cotton in the San Joaquin Valley of California. Fred W. Herbert and James W. Hubbard, Bureau of Plant Industry. 8 p., illus. (Circular 211C.) Price, 5¢.

Summer fallow at Ardmore, S. Dak. Oscar R. Matthews and Verner I. Clark, Bureau of Plant Industry. 15 p. (Circular 213C.) Price, 5¢.

Market diseases of strawberries from the Southeastern States, 1926 to 1930. Neil E. Stevens, Bureau of Plant Industry. 4 p. (Circular 219C.) Price, 5¢.

The Brainerd blackberry. George M. Darrow and George F. Waldo, Bureau of Plant Industry. 4 p., illus. (Circular 220C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Economic benefits of eradicating tuberculosis from livestock. John R. Mohler, A. E. Wight, and L. B. Ernest, Bureau of Animal Industry. 24 p., illus. (Miscellaneous Publication 66MP., rev.) Price, 10¢.

Bibliography of ethylene dichloride. W. A. Gersdorff, Bureau of Chemistry and Soils. 59 p. (Miscellaneous Publication 117MP.) Price, 10¢.

A dangerous neighbor for wheat, oats, barley, and rye: The common barberry. Donald G. Fletcher, in cooperation with leaders in charge of barberry eradication. Folder. Illus. (Miscellaneous Publication 131MP.) Price, 5¢.

Research in farm structures. Henry Giese, Bureau of Agricultural Engineering. 52 p., illus. (Miscellaneous Publication 133MP.) Price, 15¢.

The agricultural outlook for 1932. Prepared by the Staff of the Bureau of Agricultural Economics. Assisted by the Agricultural Colleges and Extension Services and the Federal Farm Board. 110 p. (Miscellaneous Publication 144MP.) Price, 10¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Georgia, Elbert County. (No. 15, Series 1928.) Price, 5¢.

Nebraska, Stanton County. (No. 3, Series 1929.) Price, 20¢.

New Jersey, The Freehold area. (No. 33, Series 1927.) Price, 20¢.

North Carolina, Person County. (No. 14, Series 1928.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for January, 1932. 13 p. (S. R. A.-B. A. I. 297.) Price, 5¢.

— February, 1932. pp. 15-24. (S. R. A.-B. A. I. 298.) Price, 5¢.

Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 271-298. (N. J., F. D. 18401-18450.) Price, 5¢.

— pp. 299-334. (N. J., F. D. 18451-18500.) Price, 5¢.

Modification of Mexican fruit-worm quarantine regulations. Plant Quarantine and Control Administration. 1 p. (P. Q. C. A.-Q. 64, Effective, March 5, 1932.) Price, 5¢.

List of intercepted plant pests. (List of pests recorded during the period of January 1, 1930, to June 30, 1931, inclusive, as intercepted in, on, or with plants and plant products entering United States territory.) pp. 201-368. (S. R. A.-P. Q. C. A.) Price, 5¢.

OTHER PUBLICATIONS

Mammals of New Mexico. Vernon Bailey, Bureau of Biological Survey. 412 p., illus. (North American Fauna No. 53.) Price, \$1.00.

Plant material introduced by the Division of Foreign Plant Introduction, Bureau of Plant Industry, April 1 to June 30, 1930 (Nos. 86756-88432.) Inventory No. 103. 51 p. Price, 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, No. 3, March 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 18, No. 11, November, 1931.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Crops and markets. Vol. 9, No. 2, February; No. 3, March, 1932. Price, 5¢ a copy; 60¢ a year; domestic; 85¢ a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 66, No. 4, March, 1932. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 3, No. 3, March, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 8, No. 1, January, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Vol. 44, Nos. 1-2, January 1-15, 1932. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

Monthly weather review. Vol. 59, No. 12, December, 1931. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 12, No. 12, February; Vol. 13, No. 1, March, 1932. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Snow and Ice Bulletin. Nos. 12-16, March 2, 9, 16, 23, 30, 1932. 1 p., map. 50¢ a year. Free distribution limited to cooperators with the Weather Bureau.

Issued on Tuesdays during the winter. Based on data from regular Weather Bureau and selected cooperative stations. As far as practicable all reports of snow and ice are given.

The official record. Vol. 10, Index, Jan. 1-Dec. 26, 1931; Vol. 11, Nos. 9-13. February 27, March 5, 12, 19, 26, 1932. Price, 5¢ a copy; 50¢ a year; domestic; \$1.10 a year, foreign.

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weather outlook. Limited edition. Not for general distribution.

Prepared at and distributed from the following forecast centers of the Weather Bureau: Washington, D. C., New Orleans, La., Chicago, Ill., Denver, Colo., and San Francisco, Calif.

Weekly weather and crop bulletin. Not for general distribution.

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers, bulletins desired. In order to assure prompt delivery, detach this frank and return in stamped envelope to U. S. Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications.

Farmer's Bulletins	Leaflets	Technical Bulletins	Circulars	Miscellaneous Publications	Other publications

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MONTHLY LIST OF PUBLICATIONS 5-1932 ★

APRIL, 1932

U. S. Department of Agriculture

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GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Production of clean milk. Ernest Kelly and C. J. Babcock, Bureau of Dairy Industry. 18 p., illus. (Farmers' Bulletin 602F., rev.) Price, 5¢.

Duck raising. Alfred R. Lee and Sheppard Haynes, Bureau of Animal Industry. 22 p., illus. (Farmers' Bulletin 697F., rev.) Price, 5¢.

How to attract birds in the Middle Atlantic States. W. L. McAtee, Bureau of Biological Survey. 16 p., illus. (Farmers' Bulletin 844F., rev.) Price, 5¢.

The control of the clover-flower midge. C. W. Creel and L. P. Rockwood, Bureau of Entomology. 12 p., illus. (Farmers' Bulletin 971F., rev.) Price, 5¢.

Cooling milk and cream on the farm. J. A. Gamble. Revised by R. P. Hotis, Bureau of Dairy Industry. 13 p., illus. (Farmers' Bulletin 976F., rev.) Price, 5¢.

Mule production. J. O. Williams, Bureau of Animal Industry. 28 p., illus. (Farmers' Bulletin 1341F., rev.) Price, 5¢.

Farm poultry raising. M. A. Jull, Bureau of Animal Industry. 28 p., illus. (Farmers' Bulletin 1524F., rev.) Price, 5¢.

Rose diseases: Their causes and control. Alma M. Waterman, Bureau of Plant Industry. 21 p., illus. (Farmers' Bulletin 1547F., rev.) Price, 5¢.

Propagation of trees and shrubs. Guy H. Yerkes, Bureau of Plant Industry. 52 p., illus. (Farmers' Bulletin 1567F., rev.) Price, 10¢.

Soybean utilization. W. J. Morse, Bureau of Plant Industry. 28 p., illus. (Farmers' Bulletin 1617F., rev.) Price, 5¢.

The safe use and storage of gasoline and kerosene on the farm. Issued by the Bureaus of Chemistry and Soils, Agricultural Engineering, and Agricultural Economics, in cooperation with the National Fire Protection Association. 14 p., illus. (Farmers' Bulletin 1678F.) Price, 5¢.

How to control grasshoppers in cereal and forage crops. J. R. Parker, W. R. Walton, and R. L. Shotwell, Bureau of Entomology. 14 p., illus. (Farmers' Bulletin 1691F.) Price, 5¢.

DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

Varieties of cheese: Descriptions and analyses. C. F. Doane, Bureau of Dairy Industry, and H. W. Lawson, Office of Experiment Stations. Revised by K. J. Matheson, Bureau of Dairy Industry. 68 p. (Department Bulletin 608D., rev.) Price, 15¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Analyses and composition of California lemon and orange oils. H. D. Poore, Bureau of Chemistry and Soils. 31 p., illus. (Technical Bulletin 241T.) Price, 5¢.

- The bacterial spot disease of the peach and other stone fruits. John C. Dunegan, Bureau of Plant Industry. 54 p., illus. (Technical Bulletin 273T.) Price, 20¢.
- Experiments with insecticides for codling-moth control. E. J. Newcomer and M. A. Yothers, Bureau of Entomology. 29 p., illus. (Technical Bulletin 281T.) Price, 15¢.
- Strength-moisture relations for wood. T. R. C. Wilson, Forest Service. 88 p., illus. (Technical Bulletin 282T.) Price, 20¢.
- Some physical properties of starch pastes which affect their stiffening power on fabrics. Margaret S. Furry, Bureau of Home Economics. 18 p., illus. (Technical Bulletin 284T.) Price, 5¢.
- Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest. Neil W. Johnson, Bureau of Agricultural Economics; E. F. Landerholm, Washington Agricultural Experiment Station; G. W. Kuhlman, Oregon Agricultural Experiment Station; and T. L. Gaston, Idaho Agricultural Experiment Station. In cooperation with the Agricultural Experiment Stations of Washington, Oregon, and Idaho. 40 p., illus. (Technical Bulletin 287T.) Price, 15¢.
- Land utilization in Laurel County, Ky. C. F. Clayton, Bureau of Agricultural Economics, and W. D. Nicholls, University of Kentucky. In cooperation with Kentucky Agricultural Experiment Station. 100 p., illus. (Technical Bulletin 289T.) Price, 25¢.
- Investigations on harvesting and handling fall and winter pears. W. T. Pentzer, J. R. Magness, H. C. Diehl, and M. H. Haller, Bureau of Plant Industry. 30 p., illus. (Technical Bulletin 290T.) Price, 15¢.
- The effect of air drying on the hydrogen-ion concentration of the soils of the United States and Canada. Ernest H. Bailey, Bureau of Chemistry and Soils. 44 p., illus. (Technical Bulletin 291T.) Price, 10¢.
- Factors affecting the development of loose smut in barley and its control by dust fungicides. R. W. Leukel, Bureau of Plant Industry. 20 p. (Technical Bulletin 293T.) Price, 5¢.
- Susceptibility of barley to leaf rust (*Puccinia anomala*) and to powdery mildew (*Erysiphe graminis hordei*). E. B. Mains and Mary L. Martini, Bureau of Plant Industry. 34 p. (Technical Bulletin 295T.) Price, 5¢.
- Feeding punctures of Mirids and other plant-sucking insects and their effect on cotton. W. V. King and W. S. Cook, Bureau of Entomology. 12 p., illus. (Technical Bulletin 296T.) Price, 5¢.
- Cotton improvement through type selection, with special reference to the Acala variety. O. F. Cook, Bureau of Plant Industry. 62 p., illus. (Technical Bulletin 302T.) Price, 30¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- Bud variation in peaches. A. D. Shamel, C. S. Pomeroy, and F. N. Harmon, Bureau of Plant Industry. 22 p., illus. (Circular 212C.) Price, 10¢.
- Small plants for pasteurizing milk. Fred M. Grant and Clarence E. Clement, Bureau of Dairy Industry. 23 p., illus. (Circular 214C.) Price, 5¢.
- Cronartium comptoniae*, the sweetfern blister rust of pitch pines. Perley Spaulding and J. R. Hansbrough. 22 p., illus. (Circular 217C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

- Protect white pine from blister rust. J. F. Martin, Bureau of Plant Industry. Folder, illus. (Miscellaneous Publication 22MP., rev.) Price, 5¢.
- List of available publications of the United States Department of Agriculture, January 2, 1932. Compiled by John O. Riley, Office of Information. 94 p. (Miscellaneous Publication 60MP., rev.) Price, 10¢.
- Film strips of the U. S. Department of Agriculture. 10 p. (Miscellaneous Publication 91MP., rev.) Price, 5¢.

- Market diseases of fruits and vegetables: Potatoes. George K. K. Link and Glen B. Ramsey, Bureau of Plant Industry. 63 p., illus. (Miscellaneous Publication 98MP.) Price, 30¢.
- A digest of the literature of Derris (Deguelia) species used as insecticides, 1747-1931. R. C. Roark, Bureau of Chemistry and Soils. 86 p. (Miscellaneous Publication 120MP.) Price, 15¢.
- Workers in subjects pertaining to agriculture in State Agricultural Colleges and Experiment Stations. Mary A. Agnew, Office of Experiment Stations. 131 p. (Miscellaneous Publication 134MP.) Price, 25¢.
- Refrigeration in the handling, processing, and storing of milk and milk products. John T. Bowen, Bureau of Dairy Industry. 59 p., illus. (Miscellaneous Publication 138MP.) Price, 10¢.
- Construction of sled-type cornstalk shavers. Frank Irons, Stanley W. McBirney, and R. M. Merrill, Bureau of Agricultural Engineering. 16 p., illus. (Miscellaneous Publication 142MP.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Bureau of Animal Industry. 2 p. (B. A. I. Order 334. Effective on May 1, 1932.) Price, 5¢.

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for March, 1932. pp. 25-35. (S. R. A.—B. A. I. 299.) Price, 5¢.

Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 337-377. (N. J., F. D. 18501-18550.) Price, 5¢.

Notices of judgment under the insecticide act. Food and Drug Administration. pp. 109-112. (N. J., I. F. 1216-1220.) Price, 5¢.

European corn-borer quarantine. Quarantine No. 43. Revision of regulations. Plant Quarantine and Control Administration. 10 p. (P. Q. C. A.—Q. 43. Effective, February 5, 1932.) Price, 5¢.

Service and regulatory announcements, October-December, 1931. Plant Quarantine and Control Administration. pp. 137-171, illus. (S. R. A. P.—Q. C. A. 109) Price, 5¢.

Standards under the tea act. Effective May 1, 1932. Food and Drug Administration. 1 p. (S. R. A., T. No. 6.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Kansas, Johnson County. (No. 17, Series 1928.) Price, 15¢.

Nebraska, Dixon County. (No. 4, Series 1929.) Price, 15¢.

Oregon, Marion County. (No. 32, Series 1927.) Price, 20¢.

Wisconsin, Winnebago County. (No. 31, Series 1927.) Price, 5¢.

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PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, No. 4, April 1, 1931. Price 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 18, No. 12, December, 1931.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 66, No. 5, April; No. 6, April, 1932, Abstract number. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 3, No. 4, April, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 8, No. 2, March, 1932. Price 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Vol. 44, Nos. 3-4, February 1-15, 1932. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

Monthly weather review. Vol. 60, No. 1, January, 1932. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

The official record. Vol. 11, Nos. 14-17, April 2, 9, 16, 23, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 14-17, April 5, 12, 19, 26, 1932. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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MAY, 1932

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Any five of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. As many as five additional publications may be sent free if the applicant gives sufficient proof that they are urgently needed. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Goose raising. Alfred R. Lee, Bureau of Animal Industry. 14 p., illus. (Farmers' Bulletin 767F., rev.) Price, 5¢.

Cattle scab and methods of control and eradication. Marion Imes, Bureau of Animal Industry. 30 p., illus. (Farmers' Bulletin 1017F., rev.) Price, 5¢.

Selecting a farm. E. H. Thomson, formerly assistant chief, Office of Farm Management. 19 p., illus. (Farmers' Bulletin 1088F., rev.) Price, 5¢.

Dourine of horses. John R. Mohler and H. W. Schoening, Bureau of Animal Industry. 10 p., illus. (Farmers' Bulletin 1146F., rev.) Price, 5¢.

Raising sheep on temporary pastures. F. R. Marshall and C. G. Potts, Bureau of Animal Industry. 14 p., illus. (Farmers' Bulletin 1181F., rev.) Price, 5¢.

Seed marketing hints for the farmer. George C. Edler, Bureau of Agricultural Economics. 32 p., illus. (Farmers' Bulletin 1232, rev.) Price, 5¢.

Turkey raising. Morley A. Jull and Alfred R. Lee, Bureau of Animal Industry. 22 p., illus. (Farmers' Bulletin 1409F., rev.) Price, 10¢.

Udder diseases of dairy cows. Hubert Bunyea, Bureau of Animal Industry. 14 p., illus. (Farmers' Bulletin 1422F., rev.) Price, 10¢.

Rabbit parasites and diseases. Benjamin Schwartz and W. B. Shook, Bureau of Animal Industry. 30 p., illus. (Farmers' Bulletin 1568F., rev.) Price, 5¢.

Hydrocyanic acid gas as a fumigant for destroying household insects. E. A. Back and R. T. Cotton, Bureau of Entomology. 21 p., illus. (Farmers' Bulletin 1670F.) Price, 5¢.

Grape districts and varieties in the United States. George C. Husmann, formerly pomologist, Bureau of Plant Industry. 33 p., illus. (Farmers' Bulletin 1689F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Kudzu, a forage crop for the Southeast. A. J. Pieters, Bureau of Plant Industry. 8 p., illus. (Leaflet 91L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

- Properties of western larch and their relation to uses of the wood. R. P. A. Johnson, Forest Products Laboratory, and M. I. Bradner, Forest Service. 93 p., illus. (Technical Bulletin 285T.) Price, 35¢.
- Decay and other losses in Douglas fir in western Oregon and Washington. J. S. Boyce, Bureau of Plant Industry. 60 p., illus. (Technical Bulletin 286T.) Price, 20¢.
- The biology and morphology of the Braconid chelonus annulipes Wesm., a parasite of the European corn borer. Arlo M. Vance, Bureau of Entomology. 48 p., illus. (Technical Bulletin 294T.) Price, 10¢.
- Factors affecting the price of rice. Carlos E. Campbell, Bureau of Agricultural Economics. 56 p., illus. (Technical Bulletin 297T.) Price, 5¢.
- Crested wheatgrass as compared with biomegrass, slender wheatgrass, and other hay and pasture crops for the northern Great Plains. H. L. Westover, J. T. Sarvis, Leroy Moomaw, George W. Morgan, and John C. Thysell, Bureau of Plant Industry, and M. A. Bell, Montana Agricultural Experiment Station. In cooperation with the Agricultural Experiment Stations of Montana, North Dakota, and Wyoming. 36 p., illus. (Technical Bulletin 307T.) Price, 10¢.
- Studies on physiologic specialization in Puccinia triticina. C. O. Johnston and E. B. Mains, Bureau of Plant Industry. 23 p., illus. (Technical Bulletin 313T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- Midday meals for preschool children in day nurseries and nursery schools. Mary E. Sweeny and Charlotte Chatfield. 47 p. (Circular 203C.) Price, 10¢.
- Production of organic acids from carbohydrates by fermentation: A digest of the literature. O. E. May and H. T. Herrick, Bureau of Chemistry and Soils. 31 p. (Circular 216C.) Price, 10¢.
- The Break O'Day tomato. Fred J. Pritchard, formerly senior physiologist, and William S. Porte, Bureau of Plant Industry. 4 p., illus. (Circular 218C.) Price, 5¢.
- The white-pine weevil. H. J. MacAloney, Bureau of Entomology. 31 p., illus. (Circular 221C.) Price, 10¢.
- The Glendendale gooseberry. George M. Darrow and George F. Waldo. 4 p., illus. (Circular 223C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

- Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. Glen B. Ramsey, Bureau of Plant Industry, and George K. K. Link, University of Chicago, and collaborator, Bureau of Plant Industry. 44 p., illus. (Miscellaneous Publication 121MP.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

- Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for April, 1932. pp. 37-47. (S. R. A.—B. A. I. 300) Price, 5¢.
- Notice of judgment under the caustic poison act. Food and Drug Administration. 1 p. (N. J., C. P. 2.) Price, 5¢.
- Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 379-428 (N. J., F. D. 18551-18650) ; pp. 429-487 (N. J., F. D. 18651-18700) ; pp. 489-502 (N. J., F. D. 18701-18725) ; pp. 503-523 (N. J., F. D. 18726-18750) ; pp. 525-571 (N. J., F. D. 18751-18850). Price, 5¢.
- Notices of judgment under the insecticide act. Food and Drug Administration. pp. 115-119 (N. J., I. F. 1221-1225). Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Iowa, Pocahontas County. (No. 19, Series 1928.) Price, 20¢.

Maryland, Anne Arundel County. (No. 18, Series 1928.) Price, 20¢.

Nebraska, Cedar County. (No. 16, Series 1928.) Price, 20¢.

OTHER PUBLICATIONS

Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska. 36 p., illus. (Alaska Game Commission Circular 9.) Price, 10¢.

List and analytical index of publications of the Alaska agricultural experiment stations. Elizabeth H. Langdale, Office of Experiment Stations. 56 p. (Alaska Cir. 3.) Price, 10¢.

Plant material introduced by the Division of Foreign Plant Introduction, Bureau of Plant Industry, July 1 to September, 1930. (Nos. 88433-89210.) Inventory No. 104.) Price, 5¢.

Summer homes in the national forests of Oregon and Washington. Fred W. Cleator, Forest Service. 14 p., illus. Price, 5¢.

The pigeon pea (*Cajanus indicus*): Its improvement, culture, and utilization in Hawaii. F. G. Krauss, University of Hawaii. 46 p., illus. (Hawaii Bulletin 64.) Price, 20¢.

Report of extension work in agriculture and home economics in the United States, 1931. Prepared by the Extension Service. C. W. Warburton, director, and C. B. Smith, assistant director. 136 p., illus. Price, 10¢. This report supersedes the annual reports entitled "Report of the Director of the Extension Service" last issued for the fiscal year 1930, and "Cooperative Extension Work" last issued for the calendar year 1929.

Report of the Hawaii Agricultural Experiment Station, 1931. J. M. Westgate, J. S. Low, M. Takahashi, L. A. Henke and M. Maneki, J. C. Ripperton and D. W. Edwards, Leonora N. Bilger, W. Y. Young, and Ruth C. Robbins, W. T. Pope, Carey D. Miller, C. M. Bice, H. A. Wadsworth, H. F. Willey, and R. K. Pahau. 38 p., illus. Price, 5¢.

Yearbook of agriculture, 1932. 975 p. For sale only. Price \$1.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, No. 5, May 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Crops and markets. Vol. 9, No. 4, April, 1932. Price 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 66, No. 7, May, 1932. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 3, No. 5, May, 1932. Illus. Price 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administration information.

Journal of agricultural research. Vol. 43, July 1–December 15, 1931. Contents and index. Price, 5¢.

— Vol. 44, Nos. 5–9, March 1–May 1, 1932. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

Monthly weather review. Vol. 60, No. 2, February, 1932. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 13, Nos. 2–3, April–May, 1932. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.

The official record. Vol. 11, Nos. 18–22, April 30, May 7, 14, 21, 28, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 18–21, May 3, 10, 17, 24, 1932. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers, bulletins desired. In order to assure prompt delivery, detach this frank and return in stamped envelope to U. S. Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications.

Farmers' Bulletins	Leaflets	Technical Bulletins	Circulars	Miscellaneous publications	Other publications

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John McCall

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MONTHLY LIST OF PUBLICATIONS

JUNE, 1932

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. As his office is not connected with the department and as the department does not sell publications, please send no remittance to the United States Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Growing cherries east of the Rocky Mountains. (F. B. 776F., rev.) Price, 5¢.

Capons and caponizing. (F. B. 849F., rev.) Price, 5¢.

The disinfection of stables. (F. B. 954F., rev.) Price, 5¢.

American moles as agricultural pests and as fur producers. (F. B. 1247F., rev.) Price, 5¢.

Clothes moths and their control. (F. B. 1353F., rev.) Price, 5¢.

Canning fruits and vegetables at home. (F. B. 1471F., rev.) Price, 5¢.

Poultry keeping in back yards. (F. B. 1508F., rev.) Price, 10¢.

DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

The present status of the pasteurization of milk. (D. B. 342D., rev.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Technical Bulletins 226-250. Title page and table of contents. Price, 5¢.

Timber growing and logging practice in the coast redwood region of California. (T. B. 283T.) Price, 5¢.

The inheritance of colored scutellums in maize. (T. B. 292T.) Price, 10¢.

Experiments in naval stores practice. (T. B. 298T.) Price, 10¢.

Susceptibility and resistance of Berberis and related genera to Puccinia graminis. (T. B. 300T.) Price, 10¢.

Economic utilization of marginal lands in Nicholas and Webster Counties, W. Va. (T. B. 303T.) Price, 15¢.

An alinement-chart method for preparing forest-tree volume tables. (T. B. 304T.) Price, 10¢.

Biology of some Japanese and Chosenese grub parasites (Scoliidæ). (T. B. 308T.) Price, 10¢.

The development of package-bee colonies. (T. B. 309T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Commercial forcing of lilies-of-the-valley. (Cir. 215C.) Price, 10¢.

Reactions of the Japanese beetle to spray deposits on foliage. (Cir. 227C.) Price, 5¢.

Chemical composition of certain kinds of sausage and other meat food products. (Cir. 230C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

A guide to grain-trade statistics. (M. P. 141MP.) Price, 10¢.

American fertilizers. (M. P. 143MP.) Price, 10¢.

Policies of the Bureau of Biological Survey relative to the control of injurious birds. 8 p. (M. P. 145MP.) Price, 5¢.

Milk-quality improvement program for 4-H dairy clubs. (M. P. 146MP.) Price, 10¢.

Trapping the Japanese beetle. (M. P. 147MP.) Price, 5¢.

The verticle seed-cotton drier. (M. P. 149MP.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Definitions and standards for food products. Food and Drug Administration. (F. D., S. R. A. No. 2, rev. 3.) Price, 5¢.

Modification of pink bollworm quarantine regulations. Effective June 15, 1932. (P. Q. C. A.—Q. 52. Reg. 5, rev.) Price, 5¢.

Notices of Judgment under the food and drugs act. N. J., F. D. 18851–18925 and N. J., F. D. 18976–19000. Price, 5¢, each.

Quarantine and other official announcements. January-March, 1932. Plant Quarantine and Control Administration. (P. Q. C. A.—S. R. A. 110.) Price, 5¢.

Regulations governing the sanitary handling and control of hides, fleshings, hide cuttings, parings, and glue stock, sheepskins and goatskins and parts thereof, hair, wool, and other animal by-products, hay, straw, forage or similar material offered for entry into the United States. Effective October 1, 1932. Bureau of Animal Industry. (B. A. I. Order 335.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Alabama, Franklin County. (No. 30, Series 1927.) Price, 20¢.

California, The Placerville Area. (No. 34, Series 1927.) Price, 15¢.

Louisiana, Beauregard Parish. (No. 20, Series 1928.) Price, 15¢.

Wisconsin, Trempealeau County. (No. 35, Series 1927.) Price, 25¢.

OTHER PUBLICATIONS

Oat production in Alaska. (Alaska Bulletin 10.) Price, 10¢.

Experimentos con abonos en palmas de coco y variación en rendimiento por palma. (Puerto Rico Bulletin 34.) Price, 10¢.

Proceedings of the National Conference on Land Utilization. Price, 20¢.

Report of the Porto Rico Agricultural Experiment Station, 1931. Price, 10¢.

Report of the Virgin Islands Agricultural Experiment Station, 1931. Price, 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, No. 6, June 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 18, No. 13, 1931; vol. 19, No. 1, January, 1932.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Crops and markets. Vol. 9, Nos. 5-6, May-June, 1932. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.¹

Statistics concerning crops and livestock estimates and market information: reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 65, Index Number; Vol. 66, No. 8, June, 1932. Single number for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 3, No. 6, June, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 8, No. 3, May, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

— Vol. 44, No. 10. May 15, 1932.

CONTENTS:

A cytological study of heterothallism in *Puccinia triticina*. Key No. G-814.
Restoration of virulence of attenuated curly-top virus by passage through *Stellaria media*. Key No. G-815.

Vitamin content of three varieties of spinach. Key No. T-5.

Chemical and physical properties of petroleum spray oils. Key No. Mont.-21.

Bulk as a factor in formulating grain mixtures for dairy cattle. Key No. Mich.-16.

Monthly weather review. Vol. 59, Table of contents and index, 1931; vol. 60, No. 3, March, 1932. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Contain (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Public roads. Vol. 12, Index; vol. 13, No. 4, June, 1932. Price, 10¢ a copy, \$1 a year, domestic; \$1.50 a year, foreign.¹

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

The official record. Vol. 11, Nos. 23-26, June 4, 11, 18, 25, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

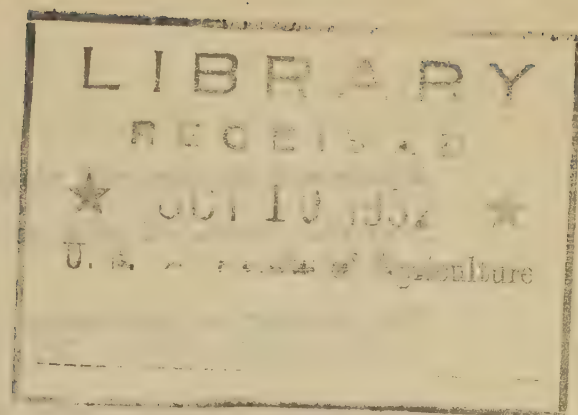
Weather outlook. Limited edition. Not for general distribution.

Prepared at and distributed from the following forecast centers of the Weather Bureau: Washington, D. C., New Orleans, La., Chicago, Ill., Denver, Colo., and San Francisco, Calif.

Weekly weather and crop bulletin. Not for general distribution.

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

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GENERAL PUBLICATIONS

FARMERS' BULLETINS

Growing fruit for home use in the Great Plains area. (F. B. 727F., rev.) Price, 5¢.

The use of a diary for farm accounts. (F. B. 782F., rev.) Price, 5¢.

Practical information for beginners in irrigation. (F. B. 864, rev.) Price, 5¢.

Growing and utilizing sorghums for forage. (F. B. 1158F., rev.) Price, 5¢.

The peach borer—How to prevent or lessen its ravages; the paradichlorobenzene treatment. (F. B. 1246F., rev.) Price, 5¢.

Care and management of dairy cows. (F. B. 1470F., rev.) Price, 10¢.

Feeding chickens. (F. B. 1541F., rev.) Price, 5¢.

Mosquito remedies and preventives. (F. B. 1570F., rev.) Price, 5¢.

Protection of log cabins, rustic work, and unseasoned wood from injurious insects. (F. B. 1582F., rev.) Price, 5¢.

Insect enemies of the cotton plant. (F. B. 1688F.) Price, 5¢.

Plowing with moldboard plows. (F. B. 1690F.) Price, 5¢.

Bean diseases and their control. (F. B. 1692F.) Price, 5¢.

LEAFLETS

Rockeries. (Leaf. 90L.) Price, 5¢.

TECHNICAL BULLETINS

Adequacy and reliability of crop-yield estimates. (T. B. 311T.) Price, 10¢.

Response of sweet corn to varying temperatures from time of planting to canning maturity. (T. B. 312T.) Price, 10¢.

Physical and chemical characteristics of the soils from the erosion experiment stations. (T. B. 316T.) Price, 5¢.

A critical laboratory review of methods of determining organic matter and carbonates in soil. (T. B. 317T.) Price, 5¢.

The fractionation, composition, and hypothetical constitution of certain colloids derived from the great soil groups. (T. B. 319T.) Price, 5¢.

CIRCULARS

- Equipment for city milk plants. (Cir. 99C., rev.) Price, 5¢.
- Bacterial counts of milk as affected by some milk-plant practices. (Cir. 222C.) Price, 5¢.
- The destructive defoliators of lodgepole pine in the Yellowstone National Park. (Cir. 224C.) Price, 5¢.
- Utilization of bigleaf maple of the Pacific Northwest. (Cir. 225C.) Price, 5¢.
- Control of the turpentine borer in the naval stores region. (Cir. 226C.) Price, 5¢.
- Construction and arrangement of city milk plants. (Cir. 228C.) Price, 5¢.
- Weedy abandoned lands and weed hosts of the beet leaf hopper. (Cir. 229C.) Price, 5¢.
- Adaptation of fiber flax to the South Atlantic States. (Cir. 231C.) Price, 5¢.
- Measuring the salinity of irrigation waters and of soil solutions with the Wheatstone bridge. (Cir. 232C.) Price, 5¢.
- Effect of cold storage and age of seed on germination and yield of peanuts. (Cir. 233C.) Price, 5¢.
- Black pit of the pecan and some insects causing it. (Cir. 234C.) Price, 5¢.
- Injury to peach fruits by gipsy-moth larvae. (Cir. 235C.) Price, 5¢.
- Control of the Japanese beetle on fruit and shade trees. (Cir. 237C.) Price, 5¢.
- Control of larvae of the Japanese and the Asiatic beetles in lawns and golf courses. (Cir. 238C.) Price, 5¢.
- The visual spectrophotometry of dyes. (Cir. 310C.) Price, 5¢.

STATISTICAL BULLETINS

- Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1929 and 1930. (S. B. 38S.) Price, 15¢.

SOIL SURVEYS

- Colorado, The Greeley area. (No. 5, Series 1929.) Price, 10¢.
- Georgia, McIntosh County. (No. 6, Series 1929.) Price, 10¢.
- Wisconsin, Vernon County. (No. 21, Series 1928.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Regulations governing the importation of domestic livestock and other animals into the United States. Effective July 1, 1932. (Amendment 4 to B. A. I. Order 301.) Not for sale.
- Revoking the quarantine to prevent the spread of foot-and-mouth disease in cattle, sheep, other ruminants, and swine. Effective on August 24, 1932. (B. A. I. Order 338.) Not for sale.
- Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for May, 1932. (S. R. A.—B. A. I. 301.)
- June, 1932. (S. R. A.—B. A. I. 302.)
- July, 1932. (S. R. A.—B. A. I. 303.)
- Price, 5¢ each.
- Regulations for warehousemen storing canned foods. (S. R. A.—B. A. E. 132.) Not for sale.

Migratory-bird treaty-act regulations and text of Federal laws relating to game and birds. (S. R. A.—B. S. 77.) Price, 5¢.

Notices of judgment under the food and drugs act. (N. J., F. D. 18926–18975); (N. J., F. D. 19001–19025); (N. J., F. D. 19026–19075); (N. J., F. D. 19076–19150.) Not for sale.

Amendment of July 8, 1930, to Federal food and drugs act and requirements thereunder. (S. R. A., F. D. 4, rev. 2.) Not for sale.

Notices of Judgment under the insecticide act. N. J., F. D. 1206 (Amended). Not for sale.

Modification of quarantine on account of the citrus canker and other citrus diseases. Effective July 1, 1932. (P. Q. C. A.—Q. 19.) Not for sale.

Modification of nursery stock, plant, and seed quarantine regulations. Revision of Regulations 3 and 7. Effective July 1, 1932. (P. Q. C. A.—Q. 37.) Not for sale.

Notice of lifting of the European corn borer quarantine. Effective July 15, 1932. (P. Q. C. A.—Lifting Q. 43.) Not for sale.

Stocks, cuttings, scions, and buds of fruits from the Orient brought under quarantine 37 by revocation of Quarantine 44. Effective July 1, 1932. (P. Q. C. A.—Lifting Q. 44.) Not for sale.

Narcissus-bulb quarantine. Effective June, 1932. (P. Q. C. A.—Q. 62.) Not for sale.

Avocado fruit and nursery stock from Mexico and the countries of Central America brought under quarantines 56 and 37 by revocation of the avocado fruit order and its concurrent regulations. Effective July 1, 1932. (P. Q. C. A.—Lifting Avocado Fruit Order and Its Concurrent Regulations.) Not for sale.

Index to Service and Regulatory Announcements, 1931. (S. R. A., P. Q. C. A. Index, 1931.) Not for sale.

OTHER PUBLICATIONS

Index-catalogue of medical and veterinary zoology. Part 1. Price, 10¢.

PERIODICALS

Periodicals may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 16, Nos. 7–8, July 1–August 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.

Climatological data. Vol. 19, Nos. 2–5, February–May, 1932.

Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Crops and markets. Vol. 9, No. 7, July, 1932. Price 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.

Daily weather maps. Limited editions. Not for general distribution.

Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.

Experiment station record. Vol. 66, No. 9, Abstract Number; Vol. 67, Nos. 1–2, July–August, 1932. Single number for sale only. Price, 10¢.

Extension service review. Vol. 3, No. 7, July, 1932. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.

Forest worker. Vol. 8, No. 4, July, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.

Journal of agricultural research. Price, \$2.25 a year, domestic; \$3.50 a year, foreign. Not distributed free to individuals.

——— Vol. 44, No. 11, June 1, 1932. Illus. Price, 20¢.

CONTENTS:

Cytologic and genetic studies of variability of strains of wheat derived from interspecific crosses. Key No. Minn.—78.

Some effects of root rot on the physiology of peas. Key No. N. Y. (Geneva)—9.

The distribution of vitamin B complex and its components in the peanut. Key No. N. C.—2.

——— Vol. 44, No. 12. June 15, 1932. Illus. Price, 20¢.

CONTENTS:

Development of certain storage and transit diseases of carrot. Key No. G-820.

The spoilage of dressed ducks by sliminess. Key No. Mich.—17.

Effect of fertilizers on the chlorine content of the sap of corn plants. Key No. Va.—11.

——— Vol. 45, No. 1. Illus. July 1, 1932. Price, 10¢.

CONTENTS:

A classification of the varieties of field beans, *Phaeolus vulgaris*. Key No. Minn.—79.

The influence of certain balanced rations on the chemical and physical properties of milk fat. Key No. Ill.—47.

The migration of *Bacillus amylovorus* in the tissue of the quince. Key No. Pa.—39.

Monthly weather review. Vol. 60, Nos. 4-5, April-May, 1932. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Public roads. Vol. 13, Nos. 5-6, July-August, 1932. Price, 10¢ a copy, \$1 a year, domestic; \$1.50 a year, foreign.

The official record. Vol. 11, Nos. 27-35, July 2-August 27, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.

Weekly weather and crop bulletin. Nos. 27-34, July 5-August 23, 1932. Price, 50¢ a year, domestic; \$1 a year, foreign.

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NOVEMBER-DECEMBER, 1932

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. As his office is not connected with the department and as the department does not sell publications, please send no remittance to the United States Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

- Some facts about malaria. (F. B. 450F., rev.) Price 5¢.
- Roses for the home. (F. B. 750F., rev.) Price, 5¢.
- The sheep tick and its eradication by dipping. (F. B. 798F., rev.) Price, 5¢.
- Farm sheep raising for beginners. (F. B. 840F., rev.) Price, 5¢.
- A simple way to increase crop yields: Methods followed by farmers of the Coastal Plain section of the Central Atlantic States in building up soil fertility. F. B. 924F., rev.) Price, 5¢.
- Transferring bees to modern hives. (F. B. 961F., rev.) Price, 5¢.
- Sweetpotato growing. (F. B. 999F., rev.) Price, 5¢.
- Commercial comb-honey production. (F. B. 1039F., rev.) Price, 5¢.
- Making woodlands profitable in the Southern States. (F. B. 1071F., rev.) Price, 5¢.
- The Angora goat. (F. B. 1203F., rev.) Price, 5¢.
- Beekeeping in the clover region. (F. B. 1215F., rev.) Price, 5¢.
- Utilization of flue-heated tobacco barns for sweetpotato storage. (F. B. 1267F., rev.) Price, 5¢.
- Marketing eggs. (F. B. 1378F., rev.) Price, 5¢.
- Blackberry growing. (F. B. 1399F., rev.) Price, 5¢.
- High-grade alfalfa hay: Methods of producing, baling, and loading for market. (F. B. 1539F., rev.) Price, 5¢.
- Dressing and packing turkeys for market. (F. B. 1694F.) Price, 5¢.

LEAFLETS

- Producing pine nursery stock in the South. (Leaf. 35L., rev.) Price, 5¢.
- Fires on farms. (Leaf. 44L. rev.) Price, 5¢.
- Wind-resistant construction for farm buildings. (Leaf. 87L.) Price, 5¢.
- Red-clover seed production in the Intermountain States. (Leaf. 93L.) Price, 5¢.

TECHNICAL BULLETINS

- Breeding the honeybee under controlled conditions. (T. B. 326T.) Price, 5¢.
- Peach brown rot. (T. B. 328T.) Price, 10¢.
- Experiments in wheat production on the dry lands of Oregon, Washington, and Utah. (T. B. 329T.) Price, 10¢.
- Rotation and tillage experiments at the Lawton (Okla.) Field Station, 1917-1930. (T. B. 330T.) Price, 5¢.
- Phaeogenes nigridens Wesmael, an important Ichneumonid parasite of the pupa of the European corn borer. (T. B. 331T.) Price, 5¢.

The bearing strength of wood under bolts. (T. B. 332T.) Price, 5¢.

Fertilizers for sweetpotatoes based on investigations in North Carolina. (T. B. 335T.) Price, 5¢.

Attractants for the flying gipsy moths as an aid in locating new infestations. (T. B. 336T.) Price, 5¢.

CIRCULARS

Design factors affecting the strength and rigidity of wooden crates. (Cir. 236C.) Price, 5¢.

Leaf hoppers injurious to cereal and forage crops. (Cir. 241C.) Price, 5¢.

Movements of the beet leaf hopper in 1930 in southern Idaho. (Cir. 244C.) Price, 5¢.

Sod webworms and their control in lawns and golf greens. (Cir. 248C.) Price, 5¢.

American fruit and vegetable auctions. (Cir. 250C.) Price, 5¢.

DEPARTMENT CIRCULARS

Directions for collecting flowering plants and ferns. (D. C. 76DC., rev.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

Directory of field activities of the Bureau of Biological Survey. (M. P. 49MP., rev.) Price, 5¢.

A milk-quality improvement program for extension workers. (M. P. 148 MP.) Price, 5¢.

Motion pictures of the United States Department of Agriculture. (M. P. 152MP.) Price, 5¢.

List of publications of the United States Department of Agriculture from January, 1926, to December, 1930, inclusive. (M. P. 153MP.) Price, 5¢.

SOIL SURVEYS

Florida, Polk County. (No. 39, Series 1927.) Price, 50¢.

Iowa, Sac County. (No. 24, Series 1928.) Price, 20¢.

Michigan, Branch County. (No. 23, Series 1928.) Price, 40¢.

Michigan, Chippewa County. (No. 36, Series 1927.) Price, 50¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Regulations for warehousemen storing cherries in sulphur dioxide brine. (S. R. A.—B. A. E. 134.)¹

Rules and regulations of the Secretary of Agriculture governing the grading and certification of butter, cheese, eggs, dressed poultry, and dressed domestic rabbits for class, quality (grade), and condition. (S. R. A.—B. A. E. 137.)¹

Regulations governing the sanitary handling and control of hides, fleshings, hide cuttings, parings, and glue stock, sheepskins and goatskins and parts thereof, hair, wool, and other animal by-products, hay, straw, forage, or similar material offered for entry into the United States. Effective December 1, 1932. (Amdt. 1 to B. A. I. Order 335.)¹

To prevent the spread of splenetic or tick fever in cattle—Rule 1, Revision 31. Effective on and after December 5, 1932. (B. A. I. Order 339.)¹

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry for September, 1932. (S. R. A.—B. A. I. 305.) Price, 5¢.

——— October, 1932. (S. R. A.—B. A. I. 306.) Price, 5¢.

——— November, 1932. (S. R. A.—B. A. I. 307.) Price, 5¢.

Notices of judgment under the food and drugs act. (N. J., F. D. 19201–19350.)¹

¹ These may be obtained from the issuing bureau.

- Notices of judgment under the food and drugs act. (N. J., F. D. 19351-19400.)¹
- Notices of judgment under the food and drugs act. (N. J., F. D. 19401-19450.)¹
- Notice of judgment under the insecticide act. (N. J., I. F. 1241 (Amended).)¹
- Revision of plant safeguard regulations. Revision of regulations. Effective December 1, 1932. (B. P. Q.)¹
- Modification of date-palm scale insect quarantine and regulations. Amendment effective December 1, 1932. (B. P. Q.-Q. 6.)¹
- Pink-bollworm quarantine No. 52. Revision of quarantine and regulations. Effective October 29, 1932. (B. P. Q.-Q. 52.)¹

OTHER PUBLICATIONS

- Eastern and southern national forests. Price, 5¢.
- Plant material introduced by the Division of Foreign Plant Introduction, Bureau of Plant Industry, January 1 to March 31, 1931 (Nos. 90837-92336). Inventory No. 106. Price, 10¢.
- Report of the Chief of the Bureau of Agricultural Economics. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Agricultural Engineering. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Animal Industry. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Biological Survey. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Chemistry and Soils. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Dairy Industry. 1932. Price, 5¢.
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- Report of the Chief of the Bureau of Home Economics. 1932. Price, 5¢.
- Report of the Chief of the Bureau of Plant Industry. 1932. Price, 5¢.
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- Report of the Chief of the Food and Drug Administration. 1932. Price, 5¢.
- Report of the Chief of the Grain Futures Administration. 1932. Price, 5¢.
- Report of the Chief of the Office of Experiment Stations. 1932. Price, 5¢.
- Report of the Chief of the Plant Quarantine and Control Administration. 1932. Price, 5¢.
- Report of the Director of Information. 1932. Price, 5¢.
- Report of the Director of Personnel and Business Administration. 1932. Price, 5¢.
- Report of the Forester. 1932. Price, 5¢.
- Report of the Librarian. 1932. Price, 5¢.
- Report of the Secretary of Agriculture. 1932. Price, 10¢.
- Report of the Solicitor. 1932. Price, 5¢.

PERIODICALS

Periodicals may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 16, No. 11, November 1; No. 12, December 1, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.
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Daily weather maps. Limited editions. Not for general distribution.

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Experiment station record. Vol. 66, Index number; vol. 67, No. 6, December, 1932. Single number for sale only. Price, 10¢.

Forest worker. Vol. 8, No. 6, November, 1932. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.

Journal of agricultural research. Price, \$2.25 a year, domestic; \$3.50 a year, foreign. Not distributed free to individuals.

——— Vol. 45, No. 9. Illus. November 1, 1932. Price, 10¢.

CONTENTS:

A cytological study of heterothallism in *Puccinia coronata*. Key No. G-828. Some physiological studies of potatoes in storage. Key No. G-827. Apparent digestibility of, and nitrogen, calcium, and phosphorus balance of dairy heifers on, artificially dried pasture herbage. Key No. I-9. An empirical test of the approximate method of calculating coefficients of inbreeding and relationship from livestock pedigrees. Key No. Iowa-21. Oxidation-reduction potentials and the hydrogen-ion concentration of a soil. Key No. N. C.-28.

——— Vol. 45, No. 10. Illus. November 15, 1932. Price, 10¢.

CONTENTS:

Quality, size, capacity, gross anatomy, and histology of cow udders in relation to milk production. Key No. 1-12. Relation of the semipermeable membranes of the wheat kernel to infection by *Gibberella saubinetii*. Key No. G-817. A three year study of the chemical composition of grass from plots fertilized and grazed intensively. Key No. Mass.-33.

——— Vol. 45, No. 11. Illus. December 1, 1932. Price, 10¢.

CONTENTS:

Comparison of conformation, anatomy, and skeletal structure of the cow and bull of a dairy breed. Key No. I-13. Efficiency factors and their use in determining optimum fertilizer ratios. Key No. Ill.-49.

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Efficacy of different strains of *Brucella abortus* as immunizing agents against infectious abortion. Key No. A-152. Distribution of the cotton root-rot fungus in soil and in plant tissues in relation to control by disinfectants. Key No. G-831. Determination of the errors of estimate of a forest survey, with special reference to the bottom-land hardwood forest region. Key No. F-60. Definitions of honey color grades. Key No. N. Y. (Cornell)-21.

Monthly weather review. Vol. 60, No. 8, August, 1932. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Public roads. Vol. 13, No. 9, November, 1932. Price, 10¢ a copy, \$1 a year, domestic; \$1.50 a year, foreign.

The official record. Vol. 11, Nos. 45-53, November 5-December 31, 1932. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.

Weekly weather and crop bulletin. Nos. 44-52, November 1-December 27, 1932. Price, 50¢ a year, domestic; \$1 a year, foreign.

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